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W. M. STEUART, Director

FIFTEENTH CENSUS OF THE UNITED STATES : 1930

AGRICULTURE

HAWAII

NUMBER OF FARMS, ACREAGE, TENURE, VALUE, MORTGAGE DEBT,  
PRODUCTION, AND LIVESTOCK

CONTENTS

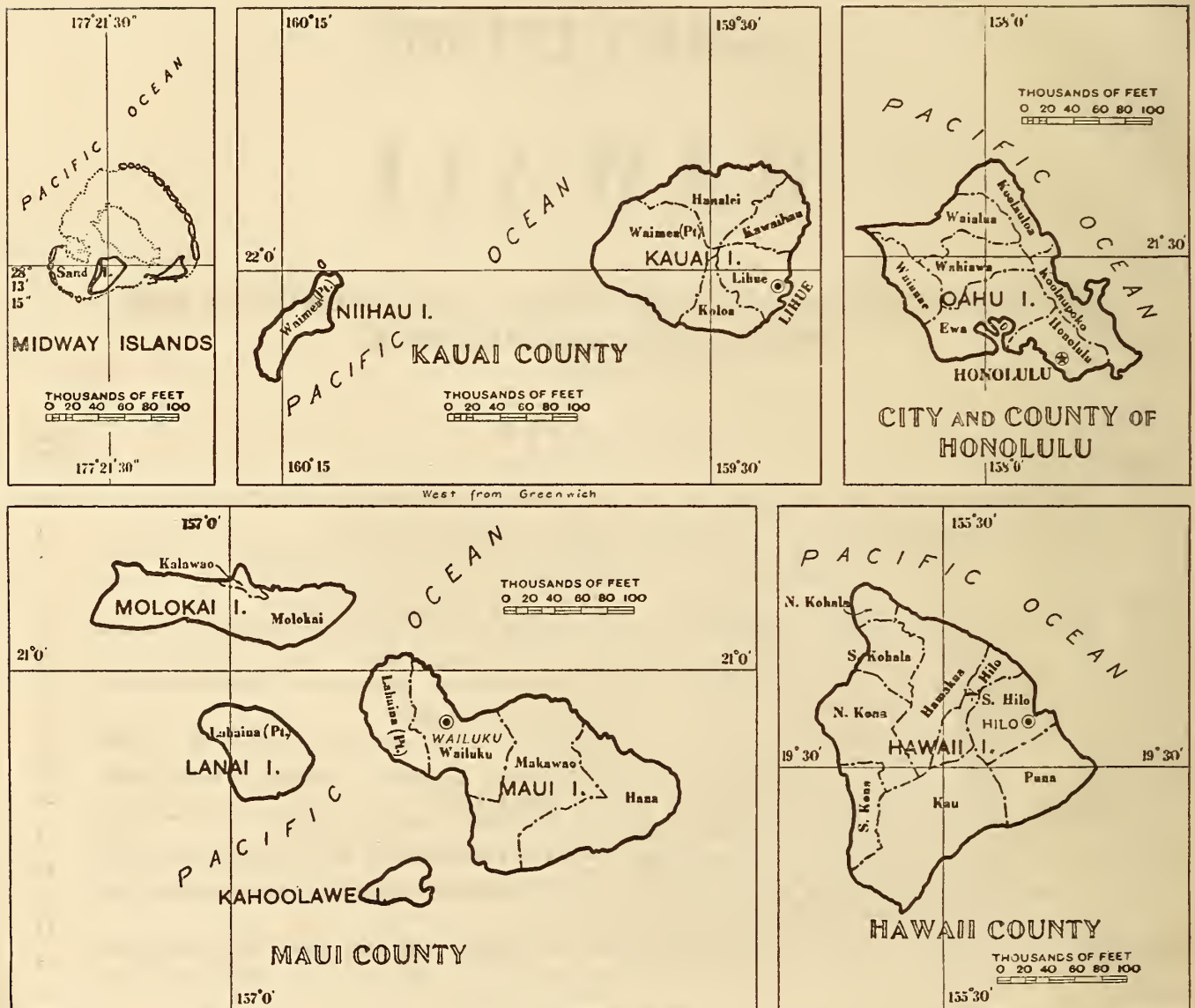
	Page
Map.....	2
Summary tables:	
1.—Number of farms, farm acreage, and specified farm values, by minor civil divisions: 1930.....	4
2.—Farms and farm property: 1930, 1920, 1910, and 1900.....	5
3.—Number of farms, by race and tenure of farm operator: 1930, 1920, and 1910.....	5
4.—Tenancy, value of farm property, and farm mortgage debt: 1930, 1920, 1910, and 1900.....	5
5.—Specified crops, livestock products, and farm expenditures: 1929, 1919, and 1909.....	6
County tables:	
I.—Number of farms, acreage, and values, by race and tenure of farm operator: 1930.....	6
II.—Farms and farm acreage, 1930 and 1920, by tenure of farm operator; and main occupation of operator as related to agriculture, 1930.....	8
III.—Farms, 1930 and 1920, and farm acreage and improved land in farms, 1930, by size of farm.....	8
IV.—Value of farm land and buildings, and implements and machinery, 1930 and 1920, with 1930 figures by tenure of farm operator.....	9
V.—Farm operators, by tenure and by term of occupancy of farm: 1930.....	9
VI.—Horses, mules, cattle, and other domestic animals, chickens, and colonies of bees on farms, 1930 and 1920; and pure-bred animals on farms, 1930.....	10
VII.—Number and varieties of livestock not on farms, 1930 and 1920; and colonies of bees not on farms, 1930.....	10
VIII.—Specified livestock on farms and livestock products: 1929 and 1919.....	10
IX.—Acreage and production of principal crops, 1929 and 1919, and acreage and production of minor crops, 1929, with number of farms reporting, 1929.....	11
X.—Acreage of vegetables harvested for sale, and value of all vegetables sold and of vegetables grown for home use, with number of farms reporting, 1929.....	12
XI.—Fruit and nut trees, plants, and vines, 1930, and quantity harvested and value of fruits and nuts sold, 1929, with number of farms reporting.....	12
XII.—Farm facilities, by tenure of farm operator: 1930.....	13
XIII.—Mortgage debt, 1930, and farm expenditures for feed, fertilizer, and labor, 1929, by tenure of farm operator.....	13



UNITED STATES  
GOVERNMENT PRINTING OFFICE  
WASHINGTON : 1931

# HAWAII

COUNTIES, ISLANDS, JUDICIAL DISTRICTS, AND PRINCIPAL URBAN PLACES





## AGRICULTURE—HAWAII

### NUMBER OF FARMS, ACREAGE, TENURE, VALUE, MORTGAGE DEBT, PRODUCTION, AND LIVESTOCK

This bulletin, prepared under the supervision of Starke M. Grogan, in charge of the census of territories and outlying possessions, presents statistics for acreage and value of farms, livestock and livestock products, acreage and production of crops, number of fruit trees, plants, and vines with production, proportion of tenancy, mortgage debt, expenditures, machinery, and facilities.

**Census dates.**—The census of 1930 relates to April 1 of that year, the date of the Fifteenth Census of the United States, and to the crop of 1929. The censuses of 1920 and 1910 relate to January 1 and April 15 of those years and the crop years 1919 and 1909, respectively.

**Minor civil divisions.**—The figures showing the number of farms, farm acreage, and farm values are presented for each county by judicial districts. These civil divisions are grouped under the representative districts which form the counties.

**Farm.**—A “farm,” for census purposes, is all the land which is directly farmed by one person, either by his own labor alone or with the assistance of members of his household or hired employees. The land operated by a partnership is likewise considered a farm. A “farm” may consist of a single tract of land, or of a number of separate tracts, and these several tracts may be held under different tenures, as when one tract is owned by the farmer and another tract is rented by him. When a landowner has one or more tenants, renters, or managers, the land operated by each is considered a farm. Thus on a plantation the land operated by each cropper or tenant was reported as a separate farm, and the land operated by the owner or manager by means of wage hands likewise was reported as a separate farm.

The enumerators were instructed not to report as a farm any tract of land of less than 3 acres, unless its agricultural products in 1929 were valued at \$100 or more, or unless it required the continuous services of at least one person.

**Farm operator.**—A “farm operator,” according to the census definition, is a person who operates a farm, either performing the labor himself or directly supervising it.

Farm operators are classified as white and non-white, the white including Portuguese, Spanish, and “Other Caucasian” races, and the nonwhite including Hawaiian (pure Hawaiian, Caucasian Hawaiian, and Asiatic Hawaiian), Japanese, Chinese, and all other nonwhite races.

**Tenure.**—Farm operators are classified, according to the tenure under which they operate their farms, into four general classes, as follows:

**Full owners** are farm operators who own all the land which they operate.

**Part owners** are farm operators who own part of the land which they operate, and rent and operate additional land. Part owners, therefore, have some of the characteristics of full owners and some of the characteristics of tenants.

**Managers** are farm operators who operate farms or ranches for the owners, receiving wages or salaries for their services.

**Tenants** are farm operators who operate hired land only.

**Land in farms.**—The acreage designated as “All land in farms” includes considerable areas of land not actually under cultivation and some not even used for pasture, since each farmer was asked to report as a unit all the land under his control, or rather all the land which he thought of as a part of his farm. Isolated tracts of timberland and other areas not connected with the farm were not included. The following classes of farm land are shown separately:

1. **Improved land.**—Under this heading are reported all land regularly tilled or mowed; land in pastures that has been cleared or tilled; land lying fallow; land in gardens and orchards; and land occupied by buildings, yards, and barnyards.

2. **Woodland.**—Under this heading are reported all farm woodlots, natural or planted, and cut-over land with young growth.

3. **Unimproved land.**—Under this heading is reported all land not improved or in woodland.

**Farm values.**—The farmer was asked to report, first, the total value of his farm (land and buildings), including all the land which he operated, both owned and hired, whether operated for himself or managed for others. He was asked to give the current market value—that is, the amount for which the farm would sell under normal conditions, not at forced sale. The tabulated results of this inquiry are shown as value of “Land and buildings” and represent the total value of farm real estate.

The farmer was also asked to report the value of all farm buildings on his farm. These values were necessarily estimated, and the figures obtained are probably somewhat less satisfactory than the figures for the total real-estate value.

In comparing the values of farm properties as reported at the census of 1930 with those reported in 1920, the variations in the purchasing power of the dollar should be kept in mind.

The value of farm implements and machinery is the combined value of automobiles, trucks, tractors, tools, wagons, harnesses, dairy equipment, and all other farm machinery. The value of commercial mills and factories located on the farm was not included.



**Mortgage debt.**—Mortgage-debt figures are given only for farm owners, the number of mortgaged farms being given for full owners and part owners combined, while the amount of the mortgage debt is shown for full owners only.

**Farm expenditures** comprise amounts expended by farm operators during the year 1929, for selected items defined on the schedule, as follows:

**Feed** includes hay, grain, mill feed, and other products ("not raised on this farm") for use as feed for domestic animals and poultry.

**Fertilizer**, including commercial fertilizer and manure.

**Farm labor**, amount expended in cash for farm labor (exclusive of housework).

**Livestock.**—In this bulletin statistics are presented for 10 classes of livestock on farms, namely, horses, mules, asses and burros, carabaos, cattle, sheep, goats, swine, chickens, and bees. Cattle are divided into three classes—calves under 1 year old; cows and heifers 2 years old and over, kept mainly for milk; and all other cattle, under which are reported work oxen, beef cattle, etc.

In the tables presenting statistics for livestock not on farms eight classes are shown, namely, horses,

mules, asses and burros, cattle, sheep, goats, swine, and bees.

Statistics are also presented for four classes of pure-bred animals on farms—horses, cattle, sheep, and swine.

**Livestock products.**—In this bulletin statistics are presented showing the number of cows milked, and the milk produced and sold; butter made; number of sheep and lambs shorn, and wool shorn; and number of chickens raised, and chicken eggs produced and sold.

**Acreage and production of crops.**—The acreage and production for all crops secured in the census of 1930 relate to the crop year 1929. The acreage shown for the crops represents the acreage harvested, which is sometimes less than the acreage planted. The production represents the quantity harvested in the form indicated. The acreage of vegetables harvested for sale is shown, also the value of all vegetables sold, and the value of vegetables grown for home use.

**Fruits and nuts.**—Data with regard to fruits and nuts are presented in this bulletin. The production and the number of trees, plants, and vines are shown, together with the total value of all fruits and nuts sold.

TABLE 1.—NUMBER OF FARMS, FARM ACREAGE, AND SPECIFIED FARM VALUES, BY MINOR CIVIL DIVISIONS: 1930

COUNTY AND MINOR CIVIL DIVISION	Number of farms April 1, 1930	ALL LAND IN FARMS, APRIL 1, 1930				SPECIFIED FARM VALUES, APRIL 1, 1930		
		All land in farms	Improved land	Woodland	Unimproved land	Farm land and buildings	All farm buildings	Farm implements and machinery
		Acres	Acres	Acres	Acres	Dollars	Dollars	Dollars
<b>THE TERRITORY</b> .....	5,955	2,815,026	440,579	747,636	1,626,811	111,750,432	17,422,644	14,158,324
Hawaii County.....	3,405	1,823,539	149,250	615,153	1,059,136	33,151,562	5,082,452	2,485,432
Representative District 1:								
Hamakua district.....	308	82,847	30,691	42,404	9,752	3,038,509	616,506	421,014
North Hilo district.....	348	22,497	12,346	8,193	1,958	2,058,776	461,897	280,331
Puna district.....	501	41,863	13,097	16,541	12,225	6,003,283	379,298	462,482
South Hilo district.....	1,033	198,639	34,788	75,815	88,036	9,093,579	1,631,583	315,944
Representative District 2:								
Kau district.....	57	188,046	17,543	6,075	164,428	3,479,097	414,568	206,527
North Kohala district.....	105	73,325	20,432	3,580	49,313	3,118,729	615,440	560,879
North Kona district.....	529	383,753	13,770	211,582	158,401	2,493,377	386,912	75,709
South Kohala district.....	52	451,647	1,436	2,526	447,685	2,160,270	218,110	67,725
South Kona district.....	472	380,922	5,147	248,437	127,338	1,705,942	338,138	64,821
Honolulu County.....	1,206	216,964	87,376	20,720	108,868	31,712,459	5,364,275	4,802,684
Representative District 4:								
Honolulu district (part of).....	475	7,369	1,583	2,370	3,416	2,624,363	753,963	183,799
Koolaupoko district (part of).....	52	19,070	3,764	715	14,591	1,787,224	120,288	32,883
Representative District 5:								
Ewa district.....	167	36,210	28,118	2,162	5,930	12,481,963	2,312,188	2,321,132
Honolulu district (part of).....	176	33,621	421	9,061	24,139	1,177,768	101,410	37,851
Koolauloa district.....	76	13,009	8,440	1,353	3,216	1,120,526	274,119	261,997
Koolaupoko district (part of).....	129	22,409	1,430	2,715	18,264	1,078,495	99,015	37,029
Wahiawa district.....	60	33,377	30,981	2,366	5,970,006	618,243	296,585	296,585
Waiialua district.....	64	31,322	10,832	832	20,258	4,252,826	617,618	1,600,820
Waianae district.....	7	19,977	1,807	1,512	16,658	1,219,288	467,431	30,588
Midway Islands.....	(1)							
Kauai County.....	481	260,130	68,060	45,429	146,641	15,805,577	1,602,179	2,138,182
Representative District 6:								
Hanalei district.....	77	24,729	8,714	8,102	7,913	1,145,625	84,574	73,389
Kawaihau district.....	171	23,179	12,865	259	10,055	1,870,518	328,599	235,912
Koloa district.....	147	28,103	14,340	2,115	11,648	5,344,121	417,321	1,134,465
Lihue district.....	44	49,705	13,983	4,951	30,771	3,260,772	486,168	221,786
Waimea district.....	42	134,414	18,158	30,002	86,254	4,184,541	285,306	472,630
Maui County.....	863	514,393	135,893	66,334	312,166	31,110,834	5,893,738	4,752,026
Representative District 3:								
Hana district.....	34	12,460	4,244	5,201	3,015	427,563	97,515	57,873
Kalawao district <sup>1</sup> .....	1	5,000	100	500	4,400	100,000	300	500
Lahaina district.....	28	130,426	22,809	20,436	87,181	10,897,913	1,966,522	1,743,124
Makawao district.....	423	201,156	57,438	12,030	131,688	8,957,850	1,538,405	1,348,390
Molokai district.....	273	99,721	22,217	10,808	66,696	4,189,104	512,789	312,460
Wailuku district.....	104	65,630	29,085	17,359	19,186	6,533,404	1,278,207	1,289,679

<sup>1</sup> No farms reported.

<sup>1</sup> Leper settlement.

# AGRICULTURE—HAWAII

5

TABLE 2.—FARMS AND FARM PROPERTY: 1930, 1920, 1910, AND 1900

ITEM	1930 (April 1)	1920 (January 1)	1910 (April 15)	1900 (June 1)
Farms, total.....number..	5,955	5,284	4,320	2,273
Operated by—				
Owners.....number..	1,437	1,419	963	823
Full owners.....number..	1,078	1,291	834	684
Part owners.....number..	359	128	129	139
Managers.....number..	203	126	249	128
Tenants.....number..	4,315	3,739	3,108	1,322
Approximate area of Territory <sup>1</sup> .....acres..	4,100,480	4,127,360	4,127,360	4,127,360
Land in farms, total.....acres..	2,815,026	2,702,245	2,590,600	2,609,613
In farms operated by—				
Owners.....acres..	740,555	( <sup>2</sup> )	( <sup>2</sup> )	423,058
Full owners.....acres..	61,398	( <sup>2</sup> )	( <sup>2</sup> )	245,795
Part owners.....acres..	679,157	( <sup>2</sup> )	( <sup>2</sup> )	177,263
Managers.....acres..	1,463,744	( <sup>2</sup> )	( <sup>2</sup> )	2,147,635
Tenants.....acres..	610,727	( <sup>2</sup> )	( <sup>2</sup> )	38,920
Value of specified farm property:				
Land and buildings.....dollars..	111,780,432	129,131,324	82,931,701	60,029,956
Land (excluding buildings).....dollars..	94,357,788	116,509,084	78,132,945	56,484,061
Buildings.....dollars..	17,422,644	12,622,240	4,798,756	3,545,835
Implements and machinery.....dollars..	14,158,324	14,744,916	9,024,328	11,484,890
Livestock:				
Horses.....number..	12,030	15,947	15,856	12,982
Mules.....number..	7,975	8,404	7,956	6,506
Asses and burros.....number..	878	1,108	1,753	1,438
Carabaos.....number..	102	192	399	( <sup>3</sup> )
Cattle.....number..	138,316	137,091	145,029	102,908
Milk cows.....number..	10,465	4,587	6,861	4,028
Sheep.....number..	32,137	43,494	76,710	102,098
Goats.....number..	452	4,128	4,451	653
Swine.....number..	30,563	24,248	20,484	8,057
Chickens.....number..	270,523	65,458	64,136	<sup>3</sup> 31,888
Bees.....colonies..	12,496	14,628	12,621	1,387

<sup>1</sup> Area given is total area, as area for land only is not obtainable. Resurvey made since 1920.

<sup>2</sup> Data not available.

<sup>3</sup> Includes guinea fowls.

TABLE 3.—NUMBER OF FARMS, BY RACE AND TENURE OF FARM OPERATOR: 1930, 1920, AND 1910

ITEM	1930 (April 1)	1920 (January 1)	1910 (April 15)	ITEM	1930 (April 1)	1920 (January 1)	1910 (April 15)
Farms, total.....	5,955	5,284	4,320	By race and tenure of farm operator—Con.			
By race and tenure of farm operator:				Japanese.....number..	4,191	3,098	2,138
White.....number..	633	892	753	Owners.....number..	619	188	42
Owners.....number..	400	627	516	Managers.....number..	33	1	43
Managers.....number..	123	94	119	Tenants.....number..	3,539	2,899	2,053
Tenants.....number..	110	171	118	Chinese.....number..	335	560	876
Hawaiian.....number..	510	679	463	Owners.....number..	91	56	43
Owners.....number..	305	546	354	Managers.....number..	19	7	55
Managers.....number..	20	14	22	Tenants.....number..	225	497	778
Tenants.....number..	185	119	87	All other races.....number..	236	55	90
				Owners.....number..	2	2	8
				Managers.....number..	8		10
				Tenants.....number..	256	53	72

TABLE 4.—TENANCY, VALUE OF FARM PROPERTY, AND FARM MORTGAGE DEBT: 1930, 1920, 1910, AND 1900

ITEM	1930 (April 1)	1920 (January 1)	1910 (April 15)	1900 (June 1)
Tenancy:				
All farms.....number..	5,955	5,284	4,320	2,273
Proportion of all farms operated by tenants.....per cent..	72.5	70.8	71.9	58.2
Value of farm property.....dollars..	125,938,756	143,876,240	91,956,029	71,515,846
Land and buildings.....dollars..	111,780,432	129,131,324	82,931,701	60,030,956
Implements and machinery.....dollars..	14,158,324	14,744,916	9,024,328	11,484,890
Farm mortgage debt:				
All farms operated by owners.....number..	1,437	1,419	963	<sup>1</sup> 932
Free from mortgage debt.....number..	945	756	( <sup>2</sup> )	793
Mortgaged.....number..	443	540	( <sup>2</sup> )	68
Proportion of farms mortgaged.....per cent..	30.8	38.1	( <sup>2</sup> )	7.3
No mortgage report.....number..	49	123	( <sup>2</sup> )	71
Farms operated by full owners.....number..	1,078	1,291	834	684
Mortgaged (amount of debt reported).....number..	340	489	( <sup>2</sup> )	( <sup>2</sup> )
acres.....	19,753	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Value of land and buildings.....dollars..	2,149,158	2,778,254	( <sup>2</sup> )	( <sup>2</sup> )
Amount of mortgage debt.....dollars..	1,123,570	1,104,568	( <sup>2</sup> )	( <sup>2</sup> )
Ratio of debt to value.....per cent..	52.3	39.8	( <sup>2</sup> )	( <sup>2</sup> )
Average, per mortgaged farm—				
Value of land and buildings.....dollars..	6,321	5,682	( <sup>2</sup> )	( <sup>2</sup> )
Amount of mortgage debt.....dollars..	3,305	2,259	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup> Farm homes occupied by their owners.

<sup>2</sup> Data not available.



## AGRICULTURE—HAWAII

TABLE 5.—SPECIFIED CROPS, LIVESTOCK PRODUCTS, AND FARM EXPENDITURES: 1929, 1919, AND 1909

ITEM	1929	1919	1909	ITEM	1929	1919	1909
<b>Specified crops:</b>				<b>Specified fruits and nuts—Continued.</b>			
Corn.....acres..	1,532	6,027	3,190	Papayas.....trees not of bearing age..	24,148	14,945	5,228
.....pounds..	2,008,918	6,447,273	4,691,675	.....trees of bearing age..	72,057	21,675	38,045
Rice.....acres..	2,045	5,801	9,425	.....number harvested..	1,388,989	739,556	22,078
.....pounds..	7,582,067	29,571,845	41,827,900	Pineapples.....plants not of bearing age..	325,166,371	59,922,490	12,031,003
Sugarcane.....acres..	146,063	123,165	186,230	.....plants of bearing age..	243,468,203	100,222,788	23,267,929
.....tons..	7,471,452	4,862,707	4,240,238	.....hundredweight harvested..	7,098,800	2,999,814	12,361,695
Taro.....acres..	772	( <sup>1</sup> )	( <sup>1</sup> )	<b>Specified livestock products:</b>			
.....hundredweight..	239,022	( <sup>1</sup> )	353	<b>Dairy products—</b>			
Potatoes (white).....acres..	214	405	353	Milk produced.....gallons..	\$ 3,672,448	1,337,925	1,028,096
.....hundredweight..	6,054	13,664	9,732	Whole milk sold.....gallons..	\$ 3,064,240	\$ 1,166,531	\$ 740,184
Sweetpotatoes and yams.....acres..	336	232	270	Butter made.....pounds..	44,689	33,411	54,133
.....hundredweight..	18,777	13,008	12,104	<b>Wool—</b>			
Coffee.....acres..	5,360	5,687	3,727	Sheep and lambs shorn.....number..	25,028	46,383	57,750
.....pounds..	19,949,521	19,883,650	9,834,026	Wool shorn (unwashed).....pounds..	159,004	252,607	334,955
<b>Specified fruits and nuts:</b>				<b>Chicken eggs and chickens—</b>			
Bananas.....plants not of bearing age..	131,831	361,403	74,505	Eggs produced.....dozens..	\$ 1,329,777	\$ 216,011	\$ 386,448
.....plants of bearing age..	372,062	190,267	261,691	Eggs sold.....dozens..	\$ 1,009,866	\$ 91,135	240,408
.....bunches harvested..	278,063	160,953	333,069	Chickens raised.....number..	\$ 319,680	\$ 81,823	\$ 144,773
Coconuts.....trees not of bearing age..	4,374	4,261	36,645	<b>Specified farm expenditures:</b>			
.....trees of bearing age..	14,035	7,197	32,777	Feed (hay, grain, mill feed, etc.			
.....number harvested..	241,548	161,123	136,827	"not raised on this farm" total.dollars..	2,466,421	( <sup>1</sup> )	( <sup>1</sup> )
Grapes.....vines not of bearing age..	396	604	41,933	Fertilizer (including manure)			
.....vines of bearing age..	2,064	2,130	46,992	total.....dollars..	8,680,964	( <sup>1</sup> )	( <sup>1</sup> )
.....pounds harvested..	95,107	107,710	229,643	Farm labor (exclusive of house-			
Oranges.....trees not of bearing age..	1,615	3,128	5,964	work) total.....dollars..	30,879,027	( <sup>1</sup> )	( <sup>1</sup> )
.....trees of bearing age..	2,154	2,372	4,690				
.....hundredweight harvested..	3,657	\$ 310,296	\$ 3,502				

<sup>1</sup> Data not available.  
<sup>2</sup> Number.

<sup>3</sup> Boxes.  
<sup>4</sup> Bags.

<sup>5</sup> Includes estimates for incomplete reports.  
<sup>6</sup> Reported as "milk."

<sup>7</sup> All poultry. Includes estimates for incomplete reports.

COUNTY TABLE I.—NUMBER OF FARMS, ACREAGE, AND VALUES, BY RACE AND TENURE OF FARM OPERATOR: 1930

ITEM	THE TERRITORY	Hawaii	Honolulu	Kauai	Maui
<b>Farms, total.....number..</b>	5,955	3,405	1,206	481	863
<b>By race and tenure of farm operator:</b>					
White.....number..	633	312	100	153	68
Owners.....number..	400	224	30	110	36
Managers.....number..	123	36	31	36	20
Tenants.....number..	110	52	39	7	12
Hawaiian.....number..	510	246	27	13	224
Owners.....number..	305	202	14	10	79
Managers.....number..	20	7	6	1	6
Tenants.....number..	185	37	7	2	139
Japanese.....number..	4,191	2,539	886	266	500
Owners.....number..	619	308	105	47	159
Managers.....number..	33	25	5	1	2
Tenants.....number..	3,539	2,206	776	218	339
Chinese.....number..	335	65	169	45	56
Owners.....number..	91	29	25	9	28
Managers.....number..	19	5	13		1
Tenants.....number..	225	31	131	36	27
All other races.....number..	286	<sup>1</sup> 243	<sup>2</sup> 24	<sup>3</sup> 4	<sup>4</sup> 15
Owners.....number..	22	13	2	2	5
Managers.....number..	8	6	2		
Tenants.....number..	256	224	20	2	10
<b>All land in farms.....acres..</b>	2,815,026	1,823,539	216,964	260,130	514,363
<b>By race and tenure of farm operator:</b>					
White.....acres..	2,579,733	1,657,229	181,181	253,470	487,853
Owners.....acres..	670,068	549,265	17,618	39,587	63,598
Managers.....acres..	1,351,454	591,137	155,631	213,693	390,993
Tenants.....acres..	558,211	516,827	7,932	190	33,262
Hawaiian.....acres..	155,754	111,659	26,002	276	17,817
Owners.....acres..	55,792	43,576	961	226	11,029
Managers.....acres..	94,497	67,746	25,017	32	1,702
Tenants.....acres..	5,465	337	24	18	5,086
Japanese.....acres..	57,212	37,455	6,931	5,272	7,554
Owners.....acres..	11,991	8,269	296	979	2,447
Managers.....acres..	4,855	2,222	2,555	20	58
Tenants.....acres..	40,366	26,964	4,080	4,273	5,049
Chinese.....acres..	18,963	14,232	2,668	986	1,077
Owners.....acres..	2,449	1,249	145	408	647
Managers.....acres..	12,601	12,211	378		12
Tenants.....acres..	3,913	772	2,145	578	418
All other races.....acres..	3,364	2,964	182	126	92
Owners.....acres..	255	150	4	78	23
Managers.....acres..	337	230	107		
Tenants.....acres..	2,772	2,584	71	48	69

<sup>1</sup> Includes 158 Filipinos, 83 Koreans, 1 Negro, and 1 unknown.  
<sup>2</sup> Includes 6 Filipinos, 17 Koreans, and 1 Negro.

<sup>3</sup> Includes 2 Filipinos and 2 Koreans.  
<sup>4</sup> Includes 6 Filipinos and 9 Koreans.



# AGRICULTURE—HAWAII

7

COUNTY TABLE I.—NUMBER OF FARMS, ACREAGE, AND VALUES, BY RACE AND TENURE OF FARM OPERATOR: 1930—Continued

ITEM	THE TERRITORY	Hawaii	Honolulu	Kauai	Maui
Value of land and buildings.....dollars..	111,780,432	33,151,562	31,712,459	15,805,577	31,110,834
By race and tenure of farm operator:					
White.....dollars..	95,225,467	24,970,797	27,461,263	15,030,152	27,763,255
Owners.....dollars..	14,514,368	3,927,757	1,885,051	3,175,460	5,526,100
Managers.....dollars..	77,716,128	18,904,988	24,954,523	11,832,262	22,024,355
Tenants.....dollars..	2,994,971	2,138,052	621,689	22,430	212,800
Hawaiian.....dollars..	4,054,056	1,432,256	1,020,890	34,700	1,566,210
Owners.....dollars..	1,280,396	712,259	223,789	26,150	318,198
Managers.....dollars..	1,586,213	660,257	760,856	4,750	160,350
Tenants.....dollars..	1,187,447	59,740	36,245	3,800	1,087,662
Japanese.....dollars..	10,333,887	6,079,090	2,087,448	596,805	1,570,544
Owners.....dollars..	2,241,827	1,192,390	335,818	139,795	573,824
Managers.....dollars..	303,856	208,431	81,925	2,500	11,000
Tenants.....dollars..	7,788,204	4,678,269	1,669,705	454,510	985,720
Chinese.....dollars..	1,589,808	240,455	1,045,338	124,890	179,125
Owners.....dollars..	438,000	127,385	143,150	45,035	122,430
Managers.....dollars..	222,679	70,000	145,679	-----	7,000
Tenants.....dollars..	929,129	43,070	756,509	79,855	49,695
All other races.....dollars..	577,214	428,964	97,520	19,030	31,700
Owners.....dollars..	77,986	31,906	10,500	17,530	18,050
Managers.....dollars..	35,770	12,900	22,870	-----	-----
Tenants.....dollars..	463,458	384,158	64,150	1,500	13,650
Value of all buildings.....dollars..	17,422,644	5,062,452	5,364,275	1,602,179	5,393,738
By race and tenure of farm operator:					
White.....dollars..	15,103,967	3,897,317	4,807,222	1,500,934	4,898,494
Owners.....dollars..	2,452,958	745,190	182,478	459,072	1,666,218
Managers.....dollars..	12,348,512	2,964,839	4,533,755	1,040,042	3,809,876
Tenants.....dollars..	302,497	187,288	90,989	1,820	22,400
Hawaiian.....dollars..	832,450	391,160	125,048	6,770	309,472
Owners.....dollars..	297,980	187,861	50,569	4,470	55,080
Managers.....dollars..	308,158	173,554	56,704	2,000	75,900
Tenants.....dollars..	226,312	29,745	17,775	300	178,492
Japanese.....dollars..	1,249,869	707,610	335,930	68,400	137,929
Owners.....dollars..	314,756	174,841	53,095	22,770	64,050
Managers.....dollars..	17,030	8,350	4,680	500	3,500
Tenants.....dollars..	918,083	524,419	278,155	45,130	70,379
Chinese.....dollars..	172,243	32,675	88,410	13,225	37,933
Owners.....dollars..	65,515	15,775	18,165	4,050	27,525
Managers.....dollars..	29,935	6,200	18,735	-----	5,000
Tenants.....dollars..	76,793	10,700	51,610	9,175	5,408
All other races.....dollars..	64,115	33,690	7,665	12,850	9,910
Owners.....dollars..	26,100	3,400	1,250	12,600	8,850
Managers.....dollars..	4,550	1,500	3,050	-----	-----
Tenants.....dollars..	33,465	28,790	3,365	250	1,050
Value of implements and machinery.....dollars..	14,158,324	2,465,432	4,802,684	2,138,182	4,752,026
By race and tenure of farm operator:					
White.....dollars..	13,218,916	2,165,341	4,574,788	2,066,922	4,411,865
Owners.....dollars..	1,895,270	281,631	36,899	223,724	1,353,016
Managers.....dollars..	11,214,979	1,823,052	4,495,095	1,841,883	3,049,949
Tenants.....dollars..	108,667	55,658	42,794	1,315	8,900
Hawaiian.....dollars..	329,594	119,304	27,265	3,459	179,566
Owners.....dollars..	57,096	22,759	11,040	1,690	21,607
Managers.....dollars..	138,965	96,065	13,200	1,300	28,400
Tenants.....dollars..	133,533	480	3,025	469	129,559
Japanese.....dollars..	538,187	153,464	172,108	64,559	148,056
Owners.....dollars..	143,405	46,465	22,708	12,770	61,462
Managers.....dollars..	3,450	1,825	1,000	25	600
Tenants.....dollars..	391,332	105,174	148,400	51,764	85,994
Chinese.....dollars..	61,215	20,629	27,323	2,317	10,946
Owners.....dollars..	16,811	5,058	2,678	430	8,645
Managers.....dollars..	16,790	12,460	4,280	-----	50
Tenants.....dollars..	27,614	3,111	20,365	1,887	2,251
All other races.....dollars..	10,412	6,694	1,200	925	1,593
Owners.....dollars..	1,531	663	200	600	68
Managers.....dollars..	797	297	500	-----	-----
Tenants.....dollars..	8,084	5,734	500	325	1,525



## AGRICULTURE—HAWAII

COUNTY TABLE II.—FARMS AND FARM ACREAGE, 1930 AND 1920, BY TENURE OF FARM OPERATOR; AND MAIN OCCUPATION OF OPERATOR AS RELATED TO AGRICULTURE, 1930

ITEM		THE TERRITORY	Hawaii	Honolulu	Kauai	Maui
FARMS AND FARM OPERATORS						
Farms.....	1930.....number.....	5,955	3,405	1,206	481	863
	1920.....number.....	5,284	3,086	1,000	662	536
Farm operators, by color:						
White <sup>1</sup> .....	1930.....number.....	633	312	100	153	68
	1920.....number.....	892	444	145	196	107
Nonwhite <sup>1</sup> .....	1930.....number.....	5,322	3,093	1,106	328	795
	1920.....number.....	4,392	2,642	855	406	429
Farm operators, by main occupation as related to agriculture:						
Agriculturist.....	1930.....number.....	4,552	2,291	1,079	372	810
Nonagriculturist.....	1930.....number.....	1,403	1,114	127	109	53
TOTAL AREA AND FARM ACREAGE						
Approximate total area.....	1930.....acres.....	4,100,480	2,569,600	384,000	396,800	750,060
Proportion in farms.....	1930.....per cent.....	68.7	70.9	56.5	65.6	68.6
All land in farms.....	1930.....acres.....	2,815,026	1,823,539	216,964	260,130	514,333
	1920.....acres.....	2,702,245	1,600,465	263,713	248,451	589,616
Of white operators <sup>1</sup> .....	1930.....acres.....	2,573,733	1,657,229	181,181	253,470	487,853
Of nonwhite operators <sup>1</sup> .....	1930.....acres.....	235,293	166,310	35,783	6,660	26,540
Average size of farm.....	1930.....acres.....	472.7	535.5	179.9	540.8	596.0
	1920.....acres.....	511.4	518.6	263.7	375.3	1,100.0
Farm land, according to class:						
Improved land.....	1930.....acres.....	440,579	149,250	87,376	68,060	135,893
	1920.....acres.....	435,242	176,849	84,109	55,392	118,892
Woodland.....	1930.....acres.....	747,636	615,153	20,720	45,429	66,334
	1920.....acres.....	599,531	400,649	50,219	64,072	75,591
Unimproved land.....	1930.....acres.....	1,626,811	1,059,136	108,868	146,641	312,166
	1920.....acres.....	1,667,472	1,022,967	120,385	128,987	395,133
FARMS AND FARM ACREAGE, BY TENURE						
Farm operators, by tenure:						
Full owners.....	1930.....number.....	1,078	596	140	144	198
Part owners.....	1930.....number.....	359	180	36	34	109
Managers.....	1930.....number.....	203	79	57	38	29
Tenants.....	1930.....number.....	4,315	2,550	973	265	527
All land in farms, by tenure:						
Full owners.....	1930.....acres.....	61,398	33,021	13,531	4,244	10,602
Part owners.....	1930.....acres.....	679,157	569,488	5,493	37,034	67,142
Managers.....	1930.....acres.....	1,463,744	673,546	183,688	213,745	392,765
Tenants.....	1930.....acres.....	610,727	547,484	14,252	5,107	43,884
Improved land, by tenure:						
Full owners.....	1930.....acres.....	15,489	10,045	503	2,766	2,175
Part owners.....	1930.....acres.....	56,954	26,603	2,780	12,128	15,443
Managers.....	1930.....acres.....	309,871	84,601	78,228	50,093	96,959
Tenants.....	1930.....acres.....	58,265	28,001	5,865	3,083	21,316

<sup>1</sup> "White" includes Portuguese, Spanish, and other Caucasian races and "nonwhite" includes Hawaiian, Japanese, Chinese, and other nonwhite races.

COUNTY TABLE III.—FARMS, 1930 AND 1920, AND FARM ACREAGE AND IMPROVED LAND IN FARMS, 1930, BY SIZE OF FARM

ITEM		THE TERRITORY	Hawaii	Honolulu	Kauai	Maui
FARMS AND FARM ACREAGE, BY SIZE						
Farms, by size:						
Under 3 acres	1930.....number.....	1,187	360	650	58	119
	1920.....number.....	808	296	305	144	63
3 to 9 acres	1930.....number.....	2,220	1,486	347	150	237
	1920.....number.....	1,926	1,215	372	242	97
10 to 19 acres	1930.....number.....	1,146	798	93	80	175
	1920.....number.....	1,090	748	130	78	134
20 to 49 acres	1930.....number.....	905	485	48	120	252
	1920.....number.....	869	522	77	128	142
50 to 99 acres	1930.....number.....	196	113	16	44	23
	1920.....number.....	245	140	32	38	35
100 to 174 acres	1930.....number.....	83	54	11	5	13
	1920.....number.....	88	49	18	7	19
175 to 259 acres	1930.....number.....	43	25	7	2	4
	1920.....number.....	41	22	10	4	5
260 to 499 acres	1930.....number.....	33	20	7	1	5
	1920.....number.....	48	21	10	5	12
500 to 999 acres	1930.....number.....	23	12	3	4	4
	1920.....number.....	33	14	12	1	6
1,000 acres and over	1930.....number.....	119	52	24	17	26
	1920.....number.....	136	59	34	15	28
All land in farms, by size of farm:						
Under 3 acres	1930.....acres.....	1,810	627	912	104	316
	1920.....acres.....	11,817	8,034	1,683	787	1,137
3 to 9 acres	1930.....acres.....	15,371	10,813	1,180	1,095	2,283
	1920.....acres.....	26,842	13,641	1,398	3,503	8,300
10 to 19 acres	1930.....acres.....	13,048	7,759	1,013	2,879	1,397
	1920.....acres.....	10,385	6,807	1,311	638	1,629
20 to 49 acres	1930.....acres.....	9,025	5,669	1,149	435	1,772
	1920.....acres.....	11,518	7,123	2,407	300	1,688
50 to 99 acres	1930.....acres.....	15,602	7,587	2,515	2,602	2,898
	1920.....acres.....	2,699,608	1,755,479	203,396	247,787	492,946
Improved land, by size of farm:						
Under 3 acres	1930.....acres.....	1,709	613	841	96	159
	1920.....acres.....	10,455	7,333	1,409	663	1,050
3 to 9 acres	1930.....acres.....	13,127	9,575	979	872	1,701
	1920.....acres.....	19,859	11,232	899	2,407	5,321
10 to 19 acres	1930.....acres.....	8,174	4,522	740	2,036	876
	1920.....acres.....	5,592	3,885	699	388	620
20 to 49 acres	1930.....acres.....	4,314	3,138	389	230	557
	1920.....acres.....	3,593	2,088	894	200	411
50 to 99 acres	1930.....acres.....	4,555	3,034	190	1,160	171
	1920.....acres.....	369,201	103,830	80,336	60,008	125,027



# AGRICULTURE—HAWAII

9

COUNTY TABLE IV.—VALUE OF FARM LAND AND BUILDINGS, AND IMPLEMENTS AND MACHINERY, 1930 AND 1920, WITH 1930 FIGURES BY TENURE OF FARM OPERATOR

ITEM		THE TERRITORY	Hawaii	Honolulu	Kauai	Maui
Value of land and buildings, total	1930.....dollars	111,780,432	33,151,562	31,712,459	15,805,577	31,110,834
	1920.....dollars	129,131,324	39,979,967	35,092,649	17,327,940	36,730,768
Land (excluding buildings)	1930.....dollars	94,357,788	28,089,110	26,348,184	14,203,398	25,717,096
	1920.....dollars	116,509,084	35,151,544	31,348,358	15,943,748	34,065,434
Buildings	1930.....dollars	17,422,644	5,062,452	5,364,275	1,602,179	5,393,738
	1920.....dollars	12,622,240	4,828,423	3,744,291	1,384,192	2,665,334
Average values:						
Land and buildings, per farm	1930.....dollars	18,771	9,736	26,296	32,860	36,050
	1920.....dollars	24,438	12,955	35,093	26,175	68,527
Land and buildings, per acre	1930.....dollars	39.70	18.17	146.16	60.76	60.48
	1920.....dollars	47.78	24.98	133.07	69.74	62.30
Value of implements and machinery	1930.....dollars	14,158,324	2,465,432	4,802,684	2,138,182	4,752,026
	1920.....dollars	14,744,916	3,711,160	4,869,810	1,549,740	4,614,206
Value, by color of farm operator:						
Land and buildings—						
White <sup>1</sup>	1930.....dollars	95,225,467	24,970,797	27,461,263	15,030,152	27,763,255
Nonwhite <sup>1</sup>	1930.....dollars	16,554,965	8,180,765	4,251,196	775,425	3,347,579
Values, by tenure of farm operator:						
Land and buildings—						
Full owners	1930.....dollars	5,468,937	2,311,216	1,624,392	681,273	852,056
Part owners	1930.....dollars	13,083,640	3,680,481	973,916	2,722,697	5,706,546
Managers	1930.....dollars	79,864,646	19,856,576	25,965,853	11,839,512	22,202,705
Tenants	1930.....dollars	13,363,209	7,303,289	3,148,298	562,095	2,349,527
Implements and machinery—						
Full owners	1930.....dollars	210,891	59,485	45,006	33,142	73,258
Part owners	1930.....dollars	1,903,222	297,091	28,519	206,072	1,371,540
Managers	1930.....dollars	11,374,981	1,938,699	4,514,075	1,843,208	3,078,999
Tenants	1930.....dollars	669,230	170,157	215,084	55,760	228,229

<sup>1</sup> "White" includes Portuguese, Spanish, and other Caucasian races and "nonwhite" includes Hawaiian, Japanese, Chinese, and all other nonwhite races.

COUNTY TABLE V.—FARM OPERATORS, BY TENURE AND BY TERM OF OCCUPANCY OF FARM: 1930

ITEM	THE TERRITORY	Hawaii	Honolulu	Kauai	Maui	ITEM	THE TERRITORY	Hawaii	Honolulu	Kauai	Maui
Farm operators, total.....	number..	5,955	3,405	1,206	481	863	Farm operators—Continued.				
By term of occupancy of farm:						3 to 5 years on farm:					
Less than 1 year on farm.....	number..	202	76	55	11	60	Owners.....	number..	265	115	53
1 to 2 years on farm.....	number..	1,062	548	242	76	196	Managers.....	number..	42	17	12
3 to 5 years on farm.....	number..	1,481	725	359	110	287	Tenants.....	number..	1,174	593	294
6 to 10 years on farm.....	number..	1,577	964	333	131	149	6 to 10 years on farm:				
Over 10 years on farm.....	number..	1,553	1,047	199	144	163	Owners.....	number..	343	185	50
Years on farm not reported.....	number..	80	45	18	9	8	Managers.....	number..	49	16	15
Less than 1 year on farm:							Tenants.....	number..	1,185	763	268
Owners.....	number..	29	14	7	4	4	Over 10 years on farm:				
Managers.....	number..	19	8	6	1	4	Owners.....	number..	557	352	29
Tenants.....	number..	154	54	42	6	52	Managers.....	number..	57	24	11
1 to 2 years on farm:							Tenants.....	number..	939	671	159
Owners.....	number..	212	95	28	24	65	Years on farm not reported:				
Managers.....	number..	32	12	11	6	3	Owners.....	number..	31	15	9
Tenants.....	number..	818	441	203	46	128	Managers.....	number..	4	2	2
							Tenants.....	number..	45	28	7



COUNTY TABLE VI.—HORSES, MULES, CATTLE, AND OTHER DOMESTIC ANIMALS, CHICKENS, AND COLONIES OF BEES ON FARMS, 1930 AND 1920; AND PURE-BRED ANIMALS ON FARMS, 1930

ITEM	THE TERRITORY	Hawaii	Honolulu	Kauai	Maui	ITEM	THE TERRITORY	Hawaii	Honolulu	Kauai	Maui
<b>DOMESTIC ANIMALS</b>						<b>DOMESTIC ANIMALS—Continued</b>					
Horses, 1930.....number..	12,030	6,006	1,070	2,196	2,758	Goats and kids, 1930.....number..	452	255	68	3	126
farms reporting.....	1,496	637	195	258	406	farms reporting.....	51	29	11	1	10
1920.....number..	15,947	8,040	2,250	2,405	3,252	1920.....number..	4,128	2,497	18	11	1,602
Mules, 1930.....number..	7,975	3,963	1,379	983	1,650	Swine, 1930.....number..	30,563	4,622	21,674	739	3,468
farms reporting.....	722	284	168	60	210	farms reporting.....	1,652	605	469	223	355
1920.....number..	8,404	4,142	1,713	935	1,614	1920.....number..	24,248	6,165	11,421	1,276	5,386
Asses and burros, 1930.....number..	878	573	99	31	175	<b>CHICKENS</b>					
farms reporting.....	589	496	17	10	66	Chickens, 1930.....number..	270,523	48,966	169,956	10,257	41,344
1920.....number..	1,108	830	60	29	189	farms reporting.....	2,809	1,445	578	298	488
Carabaos, 1930.....number..	102	4	73	25	-----	1920.....number..	65,458	21,378	26,630	8,883	8,567
farms reporting.....	65	2	40	23	-----	<b>BEES</b>					
1920.....number..	193	26	127	35	5	Bees, 1930.....colonies..	12,496	2,499	2,147	3,947	3,903
Cattle, total, 1930.....number..	138,316	84,762	13,057	10,746	29,751	farms reporting.....	115	54	31	11	19
Calves under 1 year of age.....number..	20,950	13,704	2,024	1,774	3,448	1920.....colonies..	14,628	895	7,351	2,731	3,651
farms reporting.....	556	275	75	65	141	<b>PURE-BRED (REGISTERED) ANIMALS ON FARMS<sup>1</sup></b>					
Cows and heifers 2 years old and over, kept mainly for milk production.....number..	10,465	2,794	4,622	1,413	1,636	Horses, 1930.....number..	275	140	11	5	119
farms reporting.....	585	271	102	73	139	farms reporting.....	34	8	5	4	17
All other cattle.....number..	106,901	68,264	6,411	7,559	24,667	Cattle, 1930.....number..	5,659	3,677	696	42	1,244
farms reporting.....	431	207	74	32	118	farms reporting.....	74	19	28	7	20
Cattle, total, 1920.....number..	137,091	74,690	15,422	9,117	37,862	Swine, 1930.....number..	943	10	837	1	95
Calves under 1 year of age.....number..	19,858	8,063	2,662	2,168	6,965	farms reporting.....	24	3	7	1	13
Cows and heifers 2 years old and over, kept mainly for milk production.....number..	4,587	1,140	2,281	319	847	Sheep, 1930.....number..	2	-----	-----	2	-----
All other cattle.....number..	112,646	65,487	10,479	6,630	30,050	farms reporting.....	1	-----	-----	1	-----
Sheep and lambs, 1930.....number..	32,137	13,157	3	18,106	871						
farms reporting.....	39	25	2	2	10						
1920.....number..	43,494	17,837	-----	20,946	4,711						

<sup>1</sup> Also included in totals for the various classes.

COUNTY TABLE VII.—NUMBER AND VARIETIES OF LIVESTOCK NOT ON FARMS, 1930 AND 1920; AND COLONIES OF BEES NOT ON FARMS, 1930

ITEM	THE TERRITORY	Hawaii	Honolulu	Kauai	Maui	ITEM	THE TERRITORY	Hawaii	Honolulu	Kauai	Maui
<b>LIVESTOCK</b>						<b>LIVESTOCK—Continued</b>					
Inclosures reporting, 1930.....number..	6,006	2,001	1,181	1,113	1,711	Swine.....1930.....number..	12,278	2,555	4,073	1,611	4,039
1920.....number..	7,198	2,373	1,703	1,315	1,807	inclosures reporting.....	3,791	1,100	723	785	1,183
Cattle.....1930.....number..	3,602	965	529	379	1,729	1920.....number..	14,692	2,882	6,149	2,186	3,475
inclosures reporting.....	865	313	129	122	301	1930.....number..	119	82	12	2	23
1920.....number..	4,967	1,764	844	943	1,416	inclosures reporting.....	72	44	6	1	21
Horses.....1930.....number..	3,767	1,350	783	675	959	1920.....number..	548	7	3	490	48
inclosures reporting.....	2,005	761	337	386	521	Goats.....1930.....number..	513	188	124	91	110
1920.....number..	8,360	2,255	2,902	1,209	1,994	inclosures reporting.....	247	121	46	26	54
Mules.....1930.....number..	1,023	198	630	24	171	1920.....number..	776	76	318	7	375
inclosures reporting.....	364	155	65	16	128	Bees.....1930.....colonies..	2,059	46	893	519	601
1920.....number..	2,138	469	1,281	85	303	inclosures reporting.....	114	15	70	8	21
Asses and burros.....1930.....number..	553	255	38	36	224						
inclosures reporting.....	392	200	19	17	156						
1920.....number..	1,036	659	72	10	295						

COUNTY TABLE VIII.—SPECIFIED LIVESTOCK ON FARMS AND LIVESTOCK PRODUCTS: 1929 AND 1919

ITEM	THE TERRITORY	Hawaii	Honolulu	Kauai	Maui
<b>LIVESTOCK AND LIVESTOCK PRODUCTS</b>					
Cows milked.....1929.....number..	6,289	1,423	3,481	502	883
farms reporting.....	447	220	89	44	94
1919.....number..	4,587	1,140	2,281	319	847
Milk produced.....1929.....gallons..	1,367,248	580,699	2,537,827	149,399	404,523
farms reporting.....	447	220	89	44	94
1919.....gallons..	1,337,925	215,727	958,211	67,159	96,828
Whole milk sold.....1929.....gallons..	1,306,240	295,676	2,349,661	103,661	315,242
farms reporting.....	241	128	77	16	20
1919.....gallons..	1,166,531	115,605	927,635	46,732	76,559
Butter made.....1929.....pounds..	44,689	23,786	4,593	1,369	14,941
farms reporting.....	42	22	6	2	12
1919.....pounds..	33,411	24,834	1,038	2,175	5,364
Sheep and lambs shorn.....1929.....number..	25,028	12,820	-----	12,050	158
farms reporting.....	5	2	-----	1	2
1919.....number..	46,383	19,045	-----	21,129	6,209
Wool shorn (unwashed).....1929.....pounds..	159,004	85,792	-----	72,736	476
farms reporting.....	5	2	-----	1	2
1919.....pounds..	252,607	128,436	-----	96,230	27,941
Chicken eggs produced.....1929.....dozens..	1,329,777	225,285	827,089	47,996	229,407
farms reporting.....	2,816	1,456	580	299	481
1919.....dozens..	1,161,602	62,561	77,989	5,705	15,347
Chicken eggs sold.....1929.....dozens..	1,009,866	123,702	679,413	21,239	185,512
farms reporting.....	865	348	280	49	188
1919.....dozens..	91,135	21,639	58,230	621	10,645
Chickens raised.....1929.....number..	1,319,680	61,718	201,697	15,308	40,957
farms reporting.....	2,765	1,431	554	300	480
1919.....number..	52,341	20,911	16,927	6,756	7,747

<sup>1</sup> Includes estimates for incomplete reports.<sup>2</sup> Reported as "milk."<sup>3</sup> As reported. See Table 5 for estimate.



# AGRICULTURE—HAWAII

11

COUNTY TABLE IX.—ACREAGE AND PRODUCTION OF PRINCIPAL CROPS, 1929 AND 1919, AND ACREAGE AND PRODUCTION OF MINOR CROPS, 1929, WITH NUMBER OF FARMS REPORTING, 1929

ITEM		THE TERRITORY	Hawaii	Honolulu	Kauai	Maui
<b>PRINCIPAL CROPS</b>						
Coffee.....	1929.....	acres.....	5,360	5,343	16	1
		pounds.....	19,949,521	19,634,276	12,000	3,245
		farms reporting.....	988	979	1	8
	1919.....	acres.....	5,887	5,640	2	43
		pounds.....	19,883,650	19,852,680	4,600	18,620
Corn.....	1929.....	acres.....	1,532	760	30	738
		pounds.....	2,008,918	856,018	45,900	1,102,300
		farms reporting.....	300	99	14	180
	1919.....	acres.....	6,027	3,648	71	2,370
		pounds.....	6,447,273	3,856,617	139,670	2,360,636
Potatoes (white).....	1929.....	acres.....	214	42	38	127
		hundredweight.....	6,054	1,148	1,249	3,344
		farms reporting.....	141	36	16	79
	1919.....	acres.....	405	250	29	122
		hundredweight.....	13,664	9,752	1,585	2,027
Sweetpotatoes and yams.....	1929.....	acres.....	336	57	144	126
		hundredweight.....	18,777	3,477	5,335	9,346
		farms reporting.....	353	92	101	149
	1919.....	acres.....	232	56	92	46
		hundredweight.....	13,008	2,675	6,112	1,876
Rice.....	1929.....	acres.....	2,045	18	565	1,462
		pounds.....	7,582,067	57,000	1,993,500	5,531,567
		farms reporting.....	227	5	80	142
	1919.....	acres.....	5,801	168	2,885	2,640
		pounds.....	29,571,845	885,700	15,563,899	12,579,146
Sugarcane.....	1929.....	acres.....	146,063	56,634	35,208	29,985
		tons.....	7,471,452	2,814,814	1,860,336	1,351,037
		farms reporting.....	1,543	1,395	38	92
	1919.....	acres.....	123,165	58,537	24,276	20,270
		tons.....	4,862,707	1,849,505	1,167,045	908,842
Taro.....	1929.....	acres.....	772	141	387	54
		hundredweight.....	239,022	33,155	141,261	21,876
		farms reporting.....	286	134	59	9
	1919.....	acres.....	( <sup>1</sup> )			
		hundredweight.....	( <sup>1</sup> )			
<b>MINOR CROPS</b>						
Grains and seeds:						
Beans (dry).....	1929.....	acres.....	45	1	1	43
		pounds.....	43,701	1,209	1,237	41,080
		farms reporting.....	52	17	3	29
Soybeans.....	1929.....	acres.....	25	8	2	15
		pounds.....	43,500	13,800	1,700	28,000
		farms reporting.....	10	5	3	2
Peas (dry).....	1929.....	acres.....	6	1	4	1
		pounds.....	3,270	570	2,200	500
		farms reporting.....	7	4	2	1
Peanuts.....	1929.....	acres.....	86	10	64	12
		pounds.....	68,900	8,847	42,765	17,088
		farms reporting.....	77	30	28	18
Grasses and other forage crops:						
Alfalfa.....	1929.....	acres.....	241	30	109	2
		tons.....	8,137	410	4,886	62
		farms reporting.....	54	2	26	2
Grasses, not including alfalfa.....	1929.....	acres.....	553	225	218	19
		tons.....	11,919	3,239	4,890	732
		farms reporting.....	71	15	22	5
Corn, sorghum, etc., cut for feed for livestock.....	1929.....	acres.....	50		23	12
		tons.....	1,845		559	600
		farms reporting.....	18		5	2
Pigeon peas.....	1929.....	acres.....	203		21	
		tons.....	5,665		325	
		farms reporting.....	28		4	
Cowpeas, soybeans, and other legumes used for feed for livestock.....	1929.....	acres.....	68		4	10
		tons.....	2,334		190	200
		farms reporting.....	10		3	1
Cane tops fed to livestock.....	1929.....	tons.....	45,091	17,687	9,361	12,942
		farms reporting.....	41	20	7	10
Miscellaneous crops:						
Cotton.....	1929.....	acres.....	172	145	20	7
		pounds.....	145,560	125,200	17,000	3,360
		farms reporting.....	46	16	3	27
Cassava.....	1929.....	acres.....	1			1
		pounds.....	2,025			2,025
		farms reporting.....	2			2
Tobacco.....	1929.....	acres.....	2			2
		pounds.....	200			200
		farms reporting.....	6			6
Lily root.....	1929.....	acres.....	18		18	
		pounds.....	182,000		182,000	
		farms reporting.....	7		7	
All other crops.....	1929.....	acres.....	266	22	188	56
		farms reporting.....	173	4	159	10

<sup>1</sup> Data not available.



## AGRICULTURE—HAWAII

COUNTY TABLE X.—ACREAGE OF VEGETABLES HARVESTED FOR SALE, AND VALUE OF ALL VEGETABLES SOLD AND OF VEGETABLES GROWN FOR HOME USE, WITH NUMBER OF FARMS REPORTING, 1929

ITEM	THE TERRITORY	Hawaii	Honolulu	Kauai	Maui	ITEM	THE TERRITORY	Hawaii	Honolulu	Kauai	Maui
VEGETABLES HARVESTED FOR SALE						VEGETABLES HARVESTED FOR SALE—Continued					
Total <sup>1</sup> .....acres.....	2,256	356	974	110	816	Onions.....acres.....	89	7	37	3	42
farms reporting.....	942	218	375	41	308	farms reporting.....	278	37	117	11	113
Value of vegetables sold.....dollars.....	492,381	83,435	245,926	22,417	140,603	Peppers.....acres.....	26	3	16	4	3
Beans (green).....acres.....	139	17	97	4	21	farms reporting.....	111	19	64	12	16
farms reporting.....	395	80	204	21	90	Squashes.....acres.....	89	7	3	—	79
Cabbages.....acres.....	594	130	206	20	238	farms reporting.....	131	14	9	2	106
farms reporting.....	595	153	256	30	156	Tomatoes.....acres.....	309	50	55	15	189
Carrots.....acres.....	93	26	49	6	12	farms reporting.....	377	80	122	22	153
farms reporting.....	327	80	151	24	72	Watermelons.....acres.....	520	44	292	18	166
Cucumbers.....acres.....	94	17	46	18	13	farms reporting.....	136	30	44	6	56
farms reporting.....	214	55	96	40	43	Other vegetables.....acres.....	238	42	145	14	37
Eggplants.....acres.....	53	12	26	7	8	farms reporting.....	334	67	163	28	76
farms reporting.....	214	56	89	22	47	VEGETABLES GROWN FOR HOME USE					
Cantaloupes and muskmelons.....acres.....	11	1	1	1	8	All vegetables <sup>1</sup> .....value.....dollars.....	87,796	41,817	22,009	8,349	15,621
farms reporting.....	13	1	5	1	6	farms reporting.....	1,799	895	384	151	369
Okra.....acres.....	1	—	1	—	—						
farms reporting.....	4	1	3	—	—						

<sup>1</sup> Exclusive of potatoes, yams, sweetpotatoes, taro, and cassava.

COUNTY TABLE XI.—FRUIT AND NUT TREES, PLANTS, AND VINES, 1930, AND QUANTITY HARVESTED AND VALUE OF FRUITS AND NUTS SOLD, 1929, WITH NUMBER OF FARMS REPORTING

ITEM	THE TERRITORY	Hawaii	Honolulu	Kauai	Maui
FRUITS AND NUTS					
All fruits and nuts sold.....value.....dollars.....	14,080,542	121,454	4,899,912	767,002	8,292,174
farms reporting.....	751	201	201	77	272
Alligator pears.....farms reporting.....	715	425	24	112	154
trees not of bearing age.....	6,573	1,769	840	1,047	2,917
trees of bearing age.....	4,396	1,722	195	887	1,592
number harvested.....	308,314	182,731	10,144	37,721	77,718
Apples (mountain).....farms reporting.....	114	40	1	14	59
trees not of bearing age.....	438	196	3	14	225
trees of bearing age.....	626	156	8	180	282
bushels harvested.....	482	87	2	144	249
Bananas.....farms reporting.....	1,051	543	139	115	254
plants not of bearing age.....	131,831	31,883	78,544	2,718	18,636
plants of bearing age.....	372,062	40,327	318,201	2,878	10,656
bunches harvested.....	278,063	31,536	235,816	2,006	8,705
Breadfruit.....farms reporting.....	236	153	3	30	50
trees not of bearing age.....	427	180	—	27	220
trees of bearing age.....	2,233	2,000	4	93	136
number harvested.....	1,204,418	104,860	115	6,296	9,147
Figs.....farms reporting.....	141	40	8	23	70
trees not of bearing age.....	727	231	204	114	178
trees of bearing age.....	597	115	320	55	107
pounds harvested.....	2,588	742	71	294	1,481
Grapefruit.....farms reporting.....	21	5	—	3	13
trees not of bearing age.....	61	31	—	11	19
trees of bearing age.....	47	2	—	33	12
hundredweight harvested.....	40	4	—	20	16
Grapes.....farms reporting.....	104	46	5	32	21
vines not of bearing age.....	396	128	91	148	29
vines of bearing age.....	2,084	1,628	158	286	12
pounds harvested.....	95,107	76,718	6,750	11,117	522
Guavas.....farms reporting.....	121	9	7	22	83
trees not of bearing age.....	142,706	115,030	4	302	27,370
trees of bearing age.....	80,512	1,177	1,043	8,425	69,867
hundredweight harvested.....	3,033	27	21	886	2,099
Limes and lemons.....farms reporting.....	300	118	8	49	125
trees not of bearing age.....	1,063	351	52	67	593
trees of bearing age.....	926	591	23	126	186
hundredweight harvested.....	1,411	1,023	32	137	219
Mangoes.....farms reporting.....	410	164	27	81	138
trees not of bearing age.....	948	410	31	107	400
trees of bearing age.....	2,819	2,062	109	274	374
number harvested.....	485,192	318,446	25,613	55,169	85,964
Oranges.....farms reporting.....	489	294	14	48	133
trees not of bearing age.....	1,615	883	4	119	609
trees of bearing age.....	2,154	1,526	41	285	302
hundredweight harvested.....	3,657	2,803	70	311	473
Papayas.....farms reporting.....	671	281	116	80	194
trees not of bearing age.....	24,148	3,587	14,819	779	4,963
trees of bearing age.....	72,057	34,351	22,684	699	14,323
number harvested.....	1,388,989	609,269	318,146	17,593	443,981
Pineapples.....farms reporting.....	653	46	72	130	405
plants not of bearing age.....	325,166,371	2,359,582	143,954,237	40,451,591	138,400,911
plants of bearing age.....	243,468,203	4,635,899	76,500,871	37,362,362	124,969,071
hundredweight harvested.....	7,098,800	71,094	2,219,045	573,682	4,234,979



# AGRICULTURE—HAWAII

13

COUNTY TABLE XI.—FRUIT AND NUT TREES, PLANTS, AND VINES, 1930, AND QUANTITY HARVESTED AND VALUE OF FRUITS AND NUTS SOLD, 1929, WITH NUMBER OF FARMS REPORTING—Continued

ITEM	THE TERRITORY	Hawaii	Honolulu	Kauai	Maui
<b>FRUITS AND NUTS—Continued</b>					
Coconuts.....					
farms reporting.....	242	80	14	45	123
trees not of bearing age.....	4,374	954	1,160	1,288	972
trees of bearing age.....	14,035	9,809	63	2,393	1,770
number harvested.....	241,548	83,151	568	116,578	41,251
Macadamia nuts.....					
farms reporting.....	67	34	4	15	14
trees not of bearing age.....	10,978	8,339	543	917	1,179
trees of bearing age.....	318	94	211	13	-----
pounds harvested.....	5,272	1,610	3,062	600	-----
Other fruits and nuts.....					
farms reporting.....	174	55	2	17	100
trees not of bearing age.....	7,243	5,714	4	18	1,507
trees of bearing age.....	2,134	824	5	65	1,240

COUNTY TABLE XII.—FARM FACILITIES, BY TENURE OF FARM OPERATOR: 1930

ITEM	THE TERRITORY	Hawaii	Honolulu	Kauai	Maui	ITEM	THE TERRITORY	Hawaii	Honolulu	Kauai	Maui
Automobiles, total.....	1,612	488	445	249	430	Motor trucks—Continued.					
farms reporting.....	1,044	391	281	131	241	Managers.....	number.....	734	137	245	103
By tenure of farm operator:						Tenants.....	number.....	951	102	481	98
Owners.....	number.....	487	217	56	94	Tractors, total.....	number.....	506	123	107	138
Managers.....	number.....	512	84	164	103	farms reporting.....	number.....	175	40	40	46
Tenants.....	number.....	613	187	225	52	By tenure of farm operator:					
Motor trucks, total.....	2,103	319	791	285	708	Owners.....	number.....	89	25	6	35
farms reporting.....	1,238	177	514	158	389	Managers.....	number.....	354	88	91	85
By tenure of farm operator:						Tenants.....	number.....	63	10	10	18
Owners.....	number.....	418	80	65	84						
					189						

COUNTY TABLE XIII.—MORTGAGE DEBT, 1930, AND FARM EXPENDITURES FOR FEED, FERTILIZER, AND LABOR, 1929, BY TENURE OF FARM OPERATOR

ITEM	THE TERRITORY	Hawaii	Honolulu	Kauai	Maui
<b>FARM MORTGAGE DEBT, 1930</b>					
All farms operated by owners.....	number.....	1,437	776	176	307
Free from mortgage debt.....	number.....	945	529	124	192
Mortgaged.....	number.....	443	223	41	68
Proportion of farms mortgaged.....	per cent.....	30.8	28.7	23.3	38.2
No mortgage report.....	number.....	49	24	11	4
Farms operated by full owners.....	number.....	1,078	596	140	144
Free from mortgage debt.....	number.....	706	401	97	73
Mortgaged (amount of debt reported).....	number.....	340	183	33	64
acres.....	19,753	12,177	1,057	2,465	4,054
Value of land and buildings.....	dollars.....	2,149,158	913,175	471,575	388,382
Amount of mortgage debt.....	dollars.....	1,123,570	594,496	169,700	160,399
Ratio of debt to value.....	per cent.....	52.3	65.1	36.0	41.3
Average value per farm (land and buildings).....	dollars.....	6,321	4,990	14,290	6,068
Average amount of mortgage debt, per farm.....	dollars.....	3,305	3,249	5,142	2,506
No mortgage report.....	number.....	32	12	10	7
<b>FARM EXPENDITURES, 1929</b>					
Expenditures for—					
Feed (hay, grain, mill feed, etc., "not raised on this farm").....	dollars.....	2,466,421	531,787	1,176,236	353,531
farms reporting.....	dollars.....	2,631	1,102	735	326
By tenure of farm operator:					
Full owners.....	dollars.....	179,831	30,971	102,026	18,163
Part owners.....	dollars.....	490	218	75	85
Managers.....	dollars.....	188,856	64,718	60,421	12,129
Tenants.....	dollars.....	205	93	18	23
farms reporting.....	dollars.....	1,386,554	353,180	447,324	308,736
farms reporting.....	dollars.....	136	47	45	20
farms reporting.....	dollars.....	711,180	82,918	566,465	14,503
farms reporting.....	dollars.....	1,800	744	597	198
Fertilizer (including manure).....	dollars.....	8,680,964	3,148,465	2,280,301	1,482,738
farms reporting.....	dollars.....	4,268	2,639	647	371
By tenure of farm operator:					
Full owners.....	dollars.....	247,371	148,905	14,895	42,792
Part owners.....	dollars.....	587	336	67	80
Managers.....	dollars.....	890,550	201,878	79,049	272,788
Tenants.....	dollars.....	266	139	25	28
farms reporting.....	dollars.....	6,454,870	2,041,924	2,077,348	1,092,153
farms reporting.....	dollars.....	136	61	31	26
farms reporting.....	dollars.....	1,088,173	755,758	109,009	75,005
farms reporting.....	dollars.....	3,279	2,103	524	237
Farm labor, exclusive of housework (cash).....	dollars.....	30,879,027	8,038,286	9,426,652	5,736,309
farms reporting.....	dollars.....	4,223	2,635	725	348
By tenure of farm operator:					
Full owners.....	dollars.....	480,617	241,584	69,007	103,962
Part owners.....	dollars.....	634	395	46	92
Managers.....	dollars.....	2,933,553	586,593	298,733	969,811
Tenants.....	dollars.....	268	160	19	22
farms reporting.....	dollars.....	25,473,115	6,141,383	8,683,251	4,529,525
farms reporting.....	dollars.....	190	77	51	37
farms reporting.....	dollars.....	1,991,737	1,008,726	375,656	133,011
farms reporting.....	dollars.....	3,131	2,003	609	197











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